GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA

UNSTARRED QUESTION NO:1257
ANSWERED ON:23.11.2016
Safety Measures in Nuclear Power Plants
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Will the Minister of ATOMIC ENERGY be pleased to state:

(a)whether the safety measures adopted in the Nuclear Power Plants (NPPs)in India are adequate to cope up with the earthquake and any other such natural disasters; and

(b)if so, the details thereof and if not, the efforts being made by the Governmentin this direction?

Answer

THE MINISTER OF STATE FOR PERSONNEL, PUBLIC GRIEVANCES & PENSIONS AND PRIME MINISTER'S OFFICE (Dr. JITENDRA SINGH):

(a)Yes, Sir.

(b)The nuclear power plants in India are located in low and moderate seismic zones (Zones II to IV of IS 1893). All nuclear power plants are designed to withstand extreme natural events like earthquakes, flooding, storms, tsunamis, etc likely at the respective site. Seismic switches are provided in nuclear power plants to safely shutdown the plants on sensing of an earthquake. State-of-the-art safety measures are provided to ensure safe shutdown, cooling of the core and robust containment to prevent release of radioactivity in all situations. These include a combination of active and passive systems (working on natural phenomena and not needing motive power or operator action).

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